

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/5/17	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

Frequency Range	9KHz~250MHz
Output Power(CW, Psat)	≥50dBm
Gain	≥50dB
Gain Flatness	≤2±1dB
Input VSWR	≤2.0:1
Input Power	2±2dBm
Maximum Input Power	+7dBm
Harmonic	≤-20dBc
Spurious	≤-65dBc
Temperature Protection	Over 80℃ protection With open circuit protection
PTT Port	Default OFF, 3.3-5V ON
Operating Voltage	+28V~+36V
Operating Current	≤9~12.5A
VCC/Current Reference	32V/15A

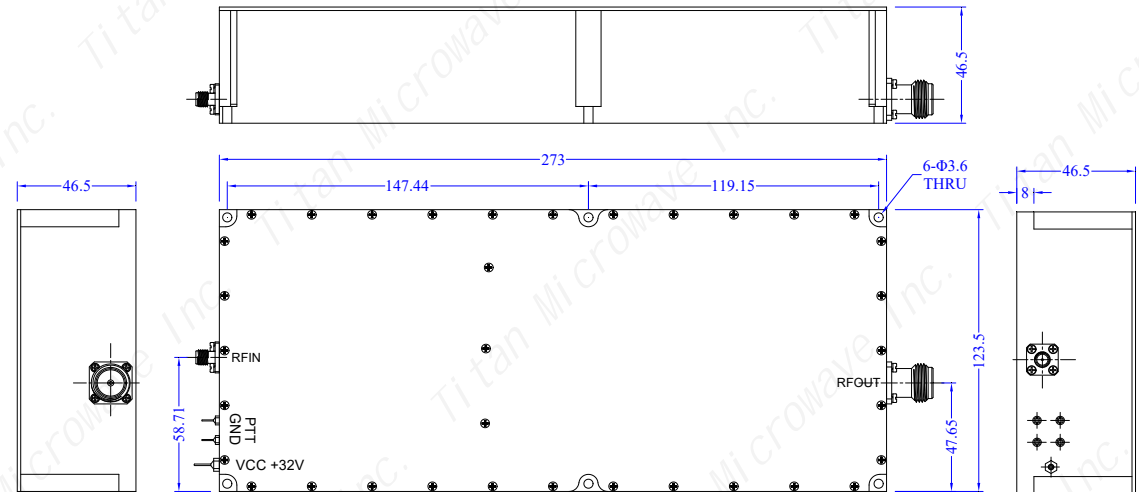
► Mechanical Data

Dimensions	273×123.5×46.5mm
Input Connector	SMA-Female
Output Connector	N-Female
28V Power Supply Connector	Feedthru Capacitor
Weight	2Kg max
Package	1 piece/box

► Environmental Data

Operating Temperature	-30℃~+55℃
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! Stress above these ratings may cause permanent damage to the device
Radiator/Heatsink required during operation or test



DRAWN: L. Ma 17/05/23		
ENGINEER: J. Zhu 17/05/23		
APPROVED: C. Chen 17/05/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 9KHz-
250MHz, Gain 50dB,
Output Power 50dBm,
+32V, SMA/N-Female

PART No.:

TMPA-9K250M-5050



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY